L3’s multiband 20 W GaN SSPA is a dual-output digitally controlled power amplifier with four independent gallium nitride solid-state power amplifiers. It is capable of transmitting in L-Band, S-Band, Lower C-Band or Upper C-Band of the radio frequency (RF) spectrum. Our 20 W GaN SSPA is frequently used in targeting pod applications that require multi-frequency operation in rugged, SWaP-constrained environments.

**Key Features**

- Dual output of L, S, lower C or upper C-Bands
- Rugged, compact design
- Low SWaP
- Supports L3 CMDL, VORTEX® and ROVER® 6
**Product Description**

L3’s 20 W GaN SSPA is a small, lightweight amplifier designed to be paired with multiband modems and radios—either stand-alone for a transmit-only system or integrated with additional components to form a duplex system. Our 20 W GaN SSPA amplifier is a multiband dual-output solid-state power amplifier (SSPA) built using gallium nitride (GaN) technology. Our RF amplifier consists of a power supply, four independent solid-state power amplifiers and a digital control section. An RS-422 interface provides temperature monitor, RF output power level detect and VSWR fault status. The RS-422 interface also provides control of the band selection for RF power amplification and blanking capability of the RF signal. This multiband SSPA can select among and operate in L-Band, S-Band, Lower C-Band or Upper C-Band of the radio frequency (RF) spectrum. Our GaN multiband SSPA is designed for use with multiple L3 products.